



File Code: 3410 (NA-05-09)
Date: September 13, 2005

Subject: 2005 Aerial Sketchmapping Survey

To: Mary O'Brien Reddan, Forest Supervisor
Wayne National Forest

On June 21 and 22, 2005, Lauren Miles, Rick Turcotte, and Joe Shupp of Forest Health Protection (FHP), Morgantown, along with Michele Stephens, conducted an aerial sketchmapping survey of the Wayne National Forest (WNF). The accompanying maps show the general locations and types of damage observed during these flights. Table 1 lists the estimated acreage of damage observed during this survey.

This year, we mapped a total of 10,488 acres (225 polygons) of visible damage on Federal land. Ground truthing surveys of 26 polygons (12 percent) revealed that a number of different defoliators were active on a variety of hardwoods (chestnut oak, white oak, maples, sycamore, and black locust). The most commonly reported agents were oak skeletonizers and the locust leafminer, which appeared to be particularly heavy again this year. Because the majority (98 percent) of the defoliation mapped was light (equal to or less than 50 percent), little reduction in tree vitality or widespread refoliation is expected.

Several areas of light, scattered blowdown and mortality were mapped on the Marietta unit (table 1). Scattered tree mortality and branch dieback were reported on both the Athens District and again throughout the Ironton Ranger District in the ice storm-damaged areas. This mortality trend is expected to continue in these areas as trees damaged by the ice storm succumb to increased competition and attack by insects.

Table 1. *Estimated acreage of damage observed within the Wayne National Forest proclamation boundaries during the June 21 and 22 aerial surveys.*

District or Unit	Native Defoliators* (acres)	Mortality (Ice damage) (acres)	Blowdown (acres)	Unknown (acres)	# of Field-Checked Polygons
Marietta	2,043	-	196	167	17
Athens	1,351	-	-	192	4
Ironton	3,762	2,620	-	334	5

*Native defoliators include oak skeletonizers, locust leafminer, looper complex, and common oak moth

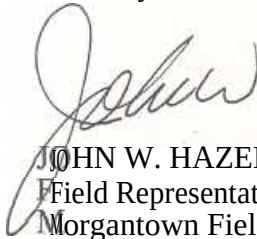
No reports of insect activity were received by this office. District Rangers and other field-going personnel are reminded that they have the primary responsibility for on-the-ground, initial detection of insect and/or disease outbreaks. We ask that all field personnel continue to monitor for evidence of insect activity (such as an unusually high number of moths present in the forest in early spring and late summer, which may be a prelude to a heavy defoliation event by



defoliators), defoliation, discoloration, and mortality in their areas and report any insect and disease activity to the Morgantown Field Office.

I personally would also like to extend my appreciation to Michele and Lauren for their valuable assistance in this survey. If you or any of your staff have any questions or comments regarding this survey, please contact Rick Turcotte at (304) 285-1544.

Sincerely,



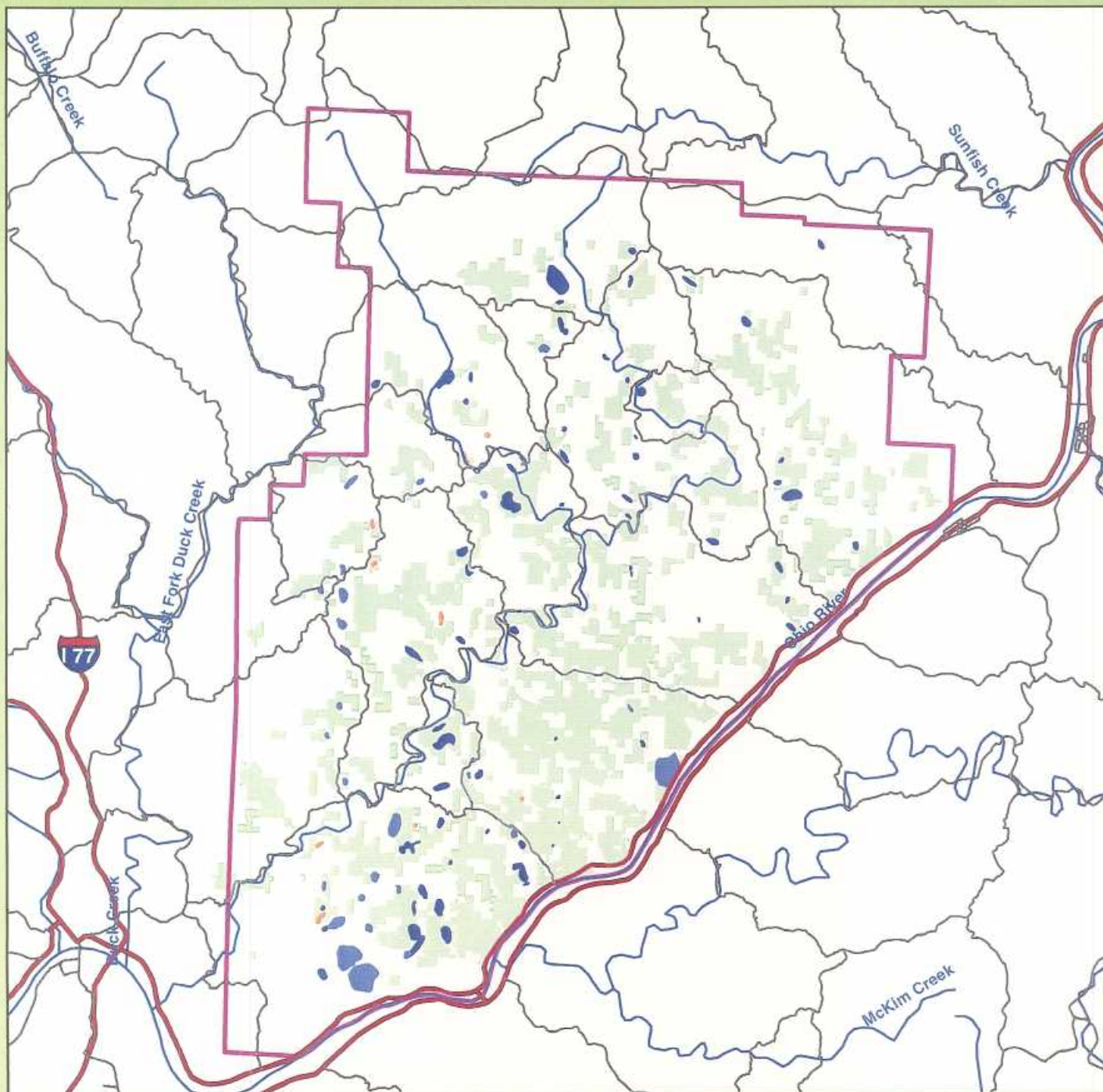
JOHN W. HAZEL
Field Representative
Morgantown Field Office

Enclosures

Cc: District Ranger, Athens RD and Marietta Unit w/enclosures
District Ranger, Ironton RD w/enclosures

RMT/AKS

Wayne National Forest 2005 Aerial Sketch Mapping Survey



Marietta RD

Damage Causing Agent

- Native Defoliators (2043 acres)
- Locust Leaf Miner (923 acres)
- Wind Damage (196 acres)
- Unknown (167 acres)

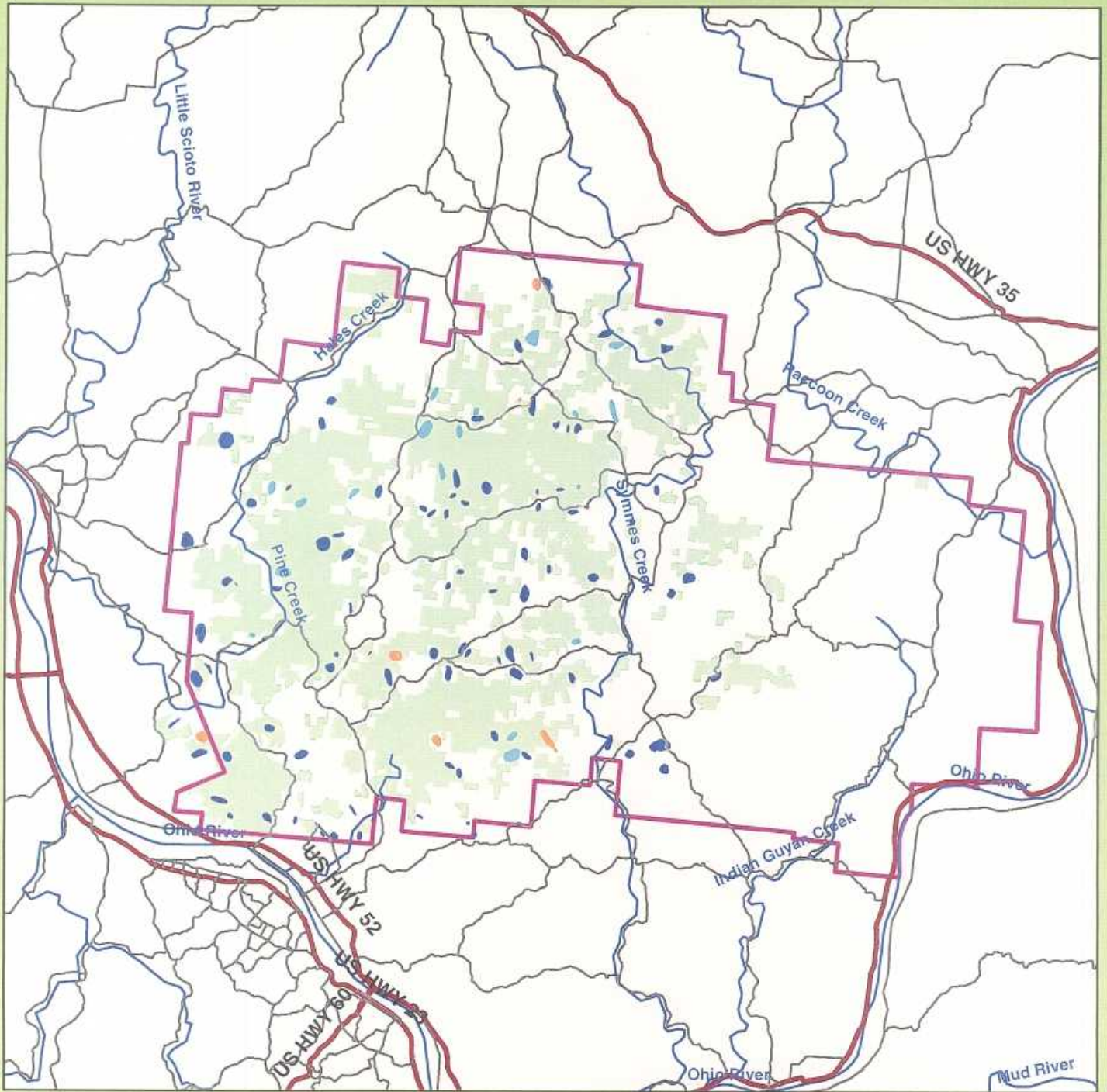
- Rivers and Streams
- USFS Ownership
- Bondary
- Highways
- Secondary Roads



7.5 3.75 0 7.5 Miles

9/05
MND

Wayne National Forest 2005 Aerial Sketch Mapping Survey



Irononton RD

Damage Causing Agent

- Native Defoliations (3762 acres)
- Winter Mortality (1137 acres)
- Unknown (334 arces)

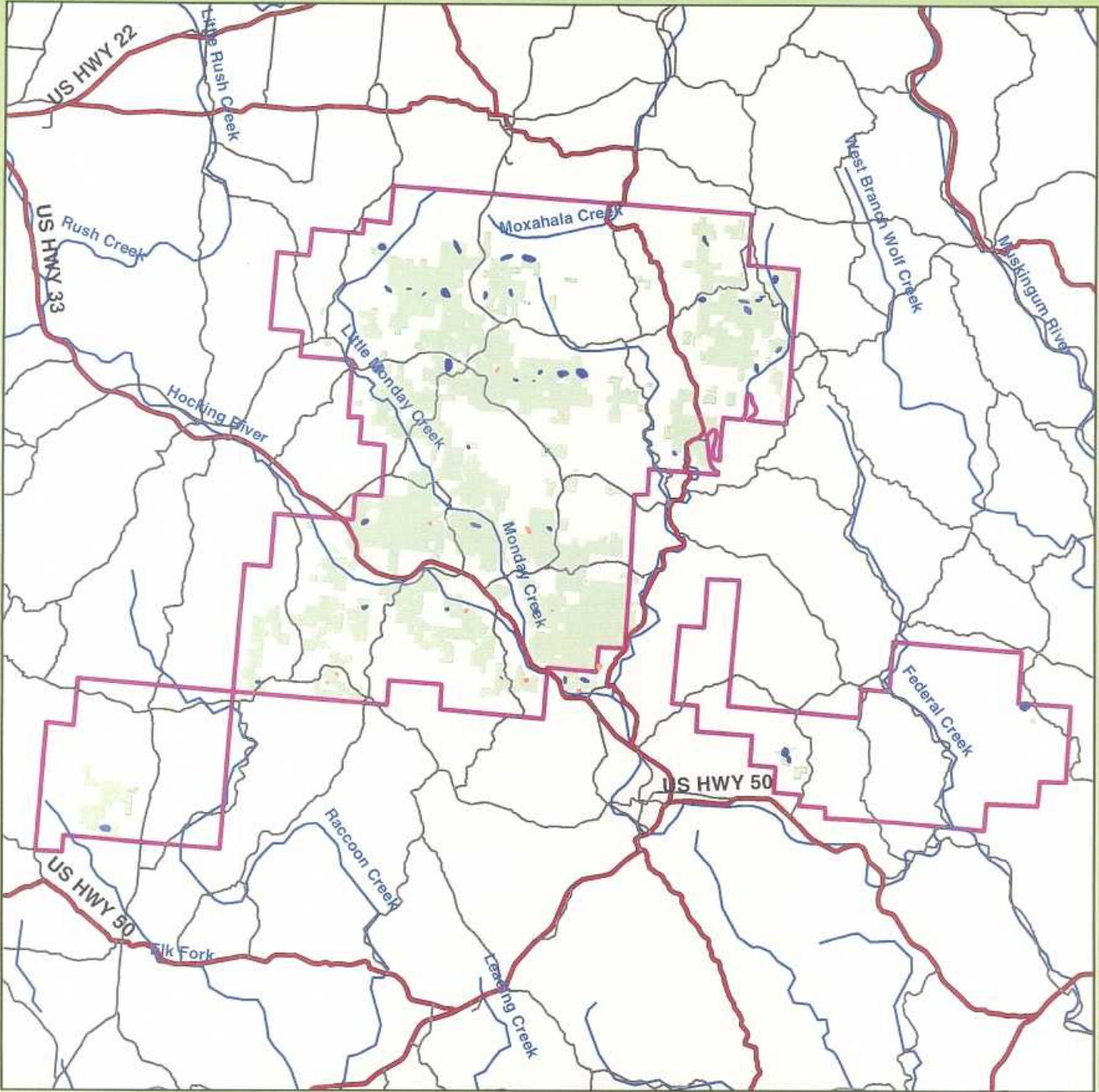
- Rivers and Streams
- USFS Ownership
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- Secondary Roads

9 4.5 0 9 Miles



9/05
AKS

Wayne National Forest 2005 Aerial Sketch Mapping Survey



Athens RD

Damage Causing Agent

- Native Defoliations (1351 acres)
- Locust Leaf Miner (321 acres)
- Unknown (192 arces)

- Rivers and Streams
- USFS Ownership
- Bondary
- Highways
- Secondary Roads



9/05
AKS